



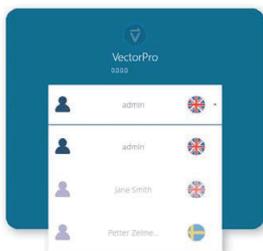
VectorPro®

Software core functionality

VectorPro® is dedicated software for use with compatible Mecmesin force test systems. It builds and stores test routines, acquires data from force sensors and instrumentation, performs calculations and passes data and results to export.

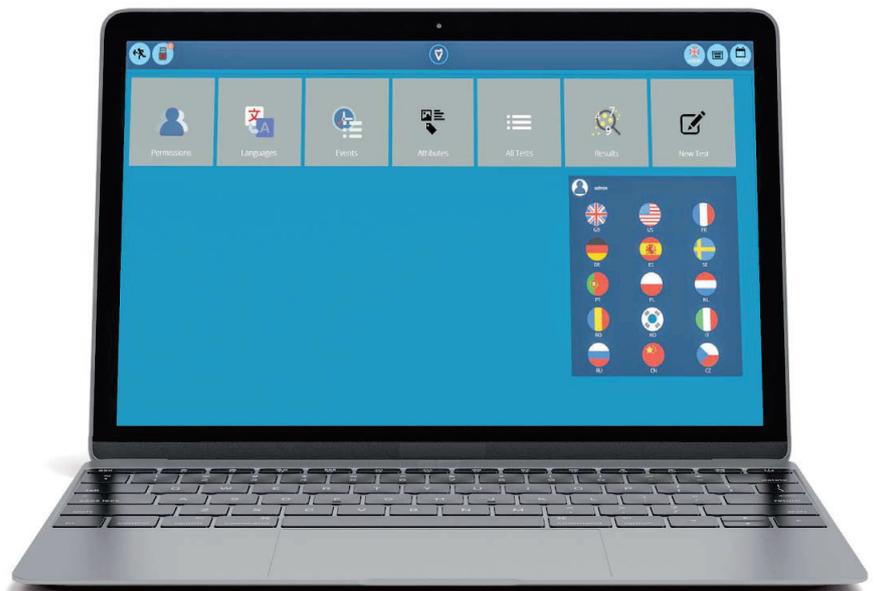
By connecting the MultiTest-dV to a PC running in a VectorPro® environment you can take advantage of these features to create a more sophisticated test system. Your configuration is automatically detected and the software guides you through the whole process with only the relevant parameters presented.

Discover VectorPro software - visit mecmesin.com



User access

VectorPro utilises separate user accounts for individuals, enabling personalised workspaces, in the language of choice. Set the access-level for each user as required by your business. This provides security for the organisation and simplicity for the user.



▲ User login to a clean, customised workspace



▲ Drag and drop – test calculations

Control

There is no need to go through multiple menus and dropdown selections. VectorPro has a drag and drop approach to test building, to enable rapid and intuitive creation of:

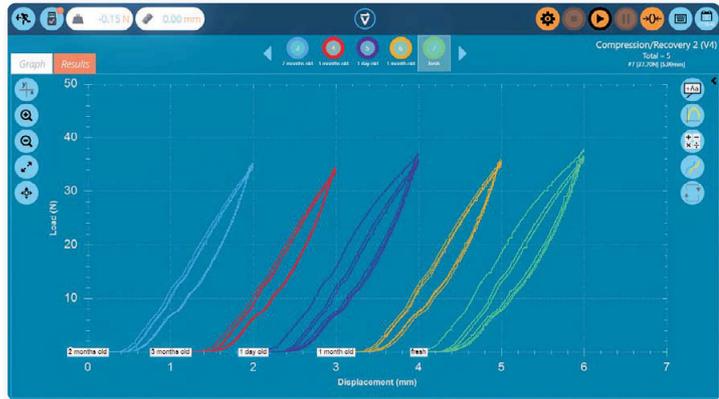
- Operation sequences to meet requirements of test standards
- Calculations with pass/fail criteria for assessing test data
- Reports for presenting test data in the way that suits you best

MultiTest-dV and VectorPro® software

Analysis

View data in real-time with simultaneous plotting of graphs to identify key events. Receive instant results from pre-configured calculations.

- Zoom in
- Label specific data points
- Offset test curves



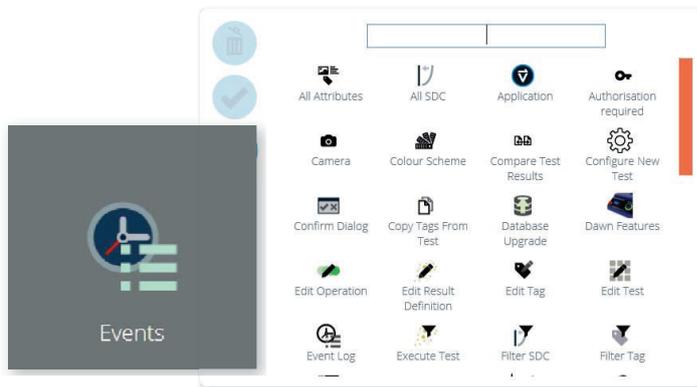
▲ Graphical output with tagged curves

Recall

A complete version history of all test profiles is retained. Test programmes can be edited, uploaded and performed either by all users or only by selected users from specific teams.



▲ User-specific test available for recall



Audit trail

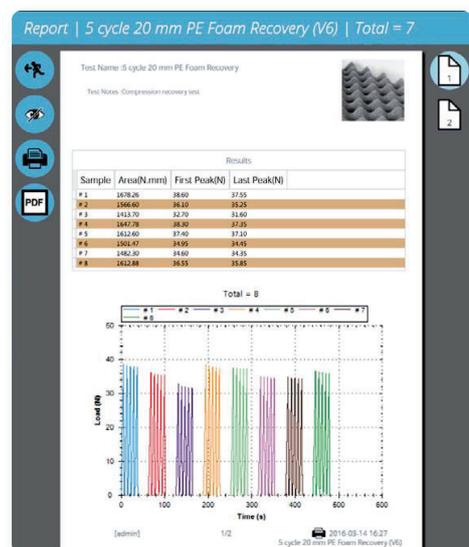
An event-log of all operations by users allows full traceability of activities relating to programme creation and tests performed. The powerful SQL database architecture provides extensive audit trail functionality – particularly useful to facilitate meeting FDA 21 CFR Part 11 requirements in the medical and pharmaceutical industry.



Powered by Vector

Report generation

Export raw data or results to Excel and other data-collection packages. Create a report of results, graphs and notes to print immediately or save as PDF.





VectorPro® Lite

Specific functionality

When the MultiTest-dV stand is fitted with a digital force gauge (VFG or AFG) it captures load, displacement and time data for streaming to a PC running VectorPro Lite software. Data is plotted live in a graph making it ideal for applications where you need to know more than just the peak load shown on the force gauge display. From the collected data VectorPro Lite provides test results from pre-defined calculations, generates a basic statistical analysis and issues customised reports.

Limited control

The test routine stored in VectorPro Lite is primarily limited by the functionality of the Force Gauges (VFG & AFG). Both models are able to set force limits or detect a specimen break, at which the MultiTest-dV test stand can stop or reverse. VectorPro Lite does not have the power or flexibility to create more complex multi-stage test routines – for this you will need VectorPro MT software.



Key Features

- Real-time graph plotting
- Immediate display of results
- Full data export
- Customised report generation
- Drag and drop interface
- Personalised workspace
- Secure user accounts



▲ Real-time graph plotting of tests



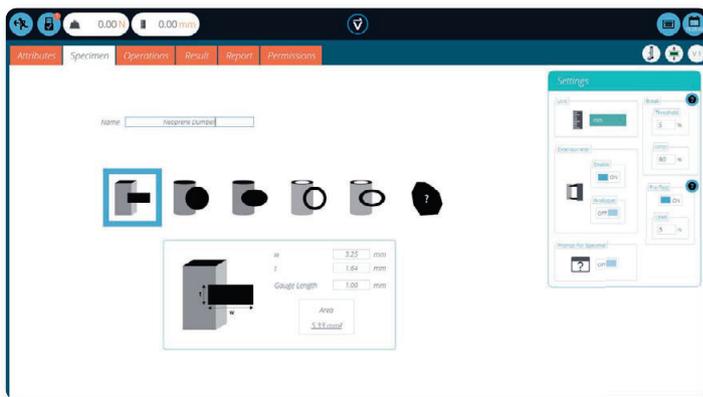
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MultiTest-dV and VectorPro® software

VectorPro® MT

Specific functionality

When the MultiTest-dV stand is fitted with an ELS loadcell it can be combined with VectorPro MT software to unlock a wide range of additional functionality. It adds a comprehensive array of materials testing calculations and sophisticated programmed control to the data acquisition and reporting features found in VectorPro Lite. This makes VectorPro MT software ideal for applications requiring extensive load and positional control of the test stand plus the analysis capability only delivered by materials testing calculations. Also compatible for use with extensometers and deflectometers.



- ▲ Select the appropriate form of your specimen and the extensometer setting

Multi-stage control

Vector Pro MT continuously acquires data from the MultiTest-dV stand and ELS loadcell to send control commands at every stage of the test. This allows total flexibility when testing the strength of products and components. It is also compatible with extensometers for measuring deformation directly on the specimen to enable stress-strain testing of a variety of materials. Multi-stage test routines are easily constructed by using drag-and-drop icons in a simple step-by-step approach.

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